

ILLEGIB

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AIRCRAFT ENGINE PLANT 154

VORONEZH, USSR

MINICARD COPY

PIC/R-10/60

SEPTEMBER 1960

Declassification review by NIMA/DOD

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CIA/PIC G-3630

FIGURE 1. AIRCRAFT ENGINE PLANT 154, VORONEZH. (Date of Photography [REDACTED])

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25X1D

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AIRCRAFT ENGINE PLANT 154  
VORONEZH, USSR

25X1B Aircraft Engine Plant 154 is located on the west central edge of  
Voronezh. [REDACTED]

25X1B [REDACTED] Photography of [REDACTED] shows  
25X1D that new construction since German World War II aerial coverage totals  
approximately 361,000 square feet (Figure 1). The overall plant area has  
25X1D also been increased to about twice its former size, to approximately 137  
acres. Total roof cover for the plant measures [REDACTED]  
25X1D with a usable floor space of [REDACTED]

25X1D Engine test facilities are housed in the assembly and engine test  
building (item 27 on Figure 2) and consist of 22 U-type engine test cells.  
25X1D Six of these engine test cells measure approximately [REDACTED] while  
the remaining 16 are 20 feet square (see Figure 3). No typical rocket  
motor test buildings are identified at this plant.

The entire plant area is secured by a combination wall and open type  
fence, with several secured areas within the installation (see Figure 2).  
The plant is well served by internal roads and a single rail spur, branching  
into three parts within the area.

Major components for the plant are shown on Figure 2 and are keyed  
to the accompanying table.

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TABLE 1. MAJOR COMPONENTS OF VORONEZH AIRCRAFT ENGINE PLANT 154

Item	Description
1	Workshop
2	Gravel and sand processing bldg; and excavation
3	U/I Bldg
4	Admin bldg
5	Probable greenhouses
6	Forge
7	Forge
8	Machine shop
9	Machine shop
10	Admin bldg
11	Possible vegetable storage, partly underground
12	Seven storage bldgs
13	U/I bldg u/c
14	Workshop
15	Storage area fenced; two storage bldgs
25X1D	16 Annealing and chem treatment bldg
	17 Boilerhouse
	18 Machine shop
	19 Foundry
	20 Prob standby diesel power plant
	21 Greenhouse and nursery area
	22 U/I Heat-Processing bldg
	23 Workshop
	24 Main Gatehouse
	25 Admin bldg
	26 Assembly bldg
	27 Assembly bldg with 22
	U-type engine test cells
	28 Cooling pond
	29 Secured area, appr
	With u/i bldg
	30 Secured area, With poss cooling tower
	31 Secured area, With foundation for new bldg
	32 Secured area, With u/i bldg and revetted bldg
	33 Workshop

\*Heights vary throughout building.

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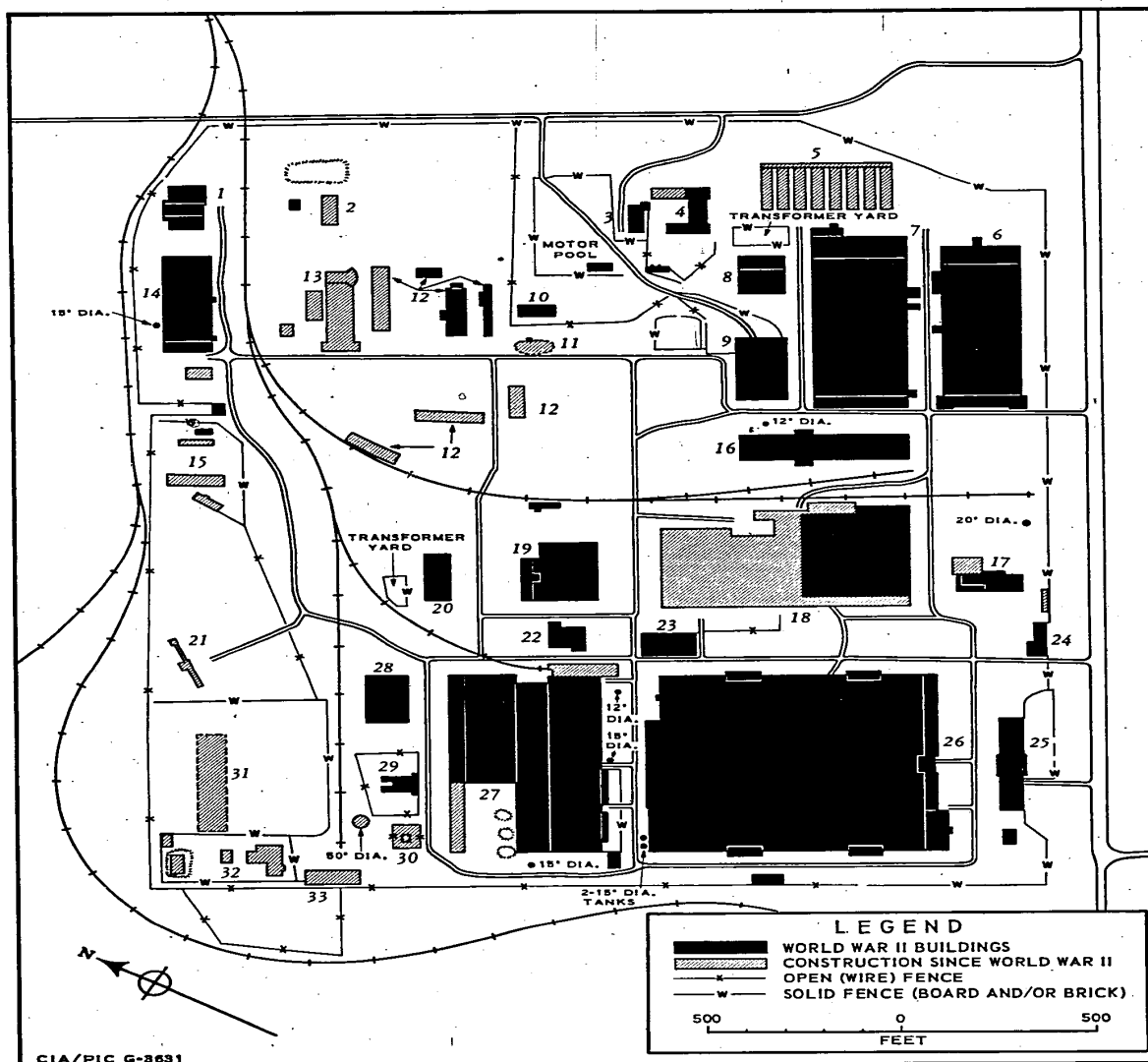


FIGURE 2. AIRCRAFT ENGINE PLANT 154, VORONEZH. Drawing shows the major features of the plant data on which are given in Table 1.

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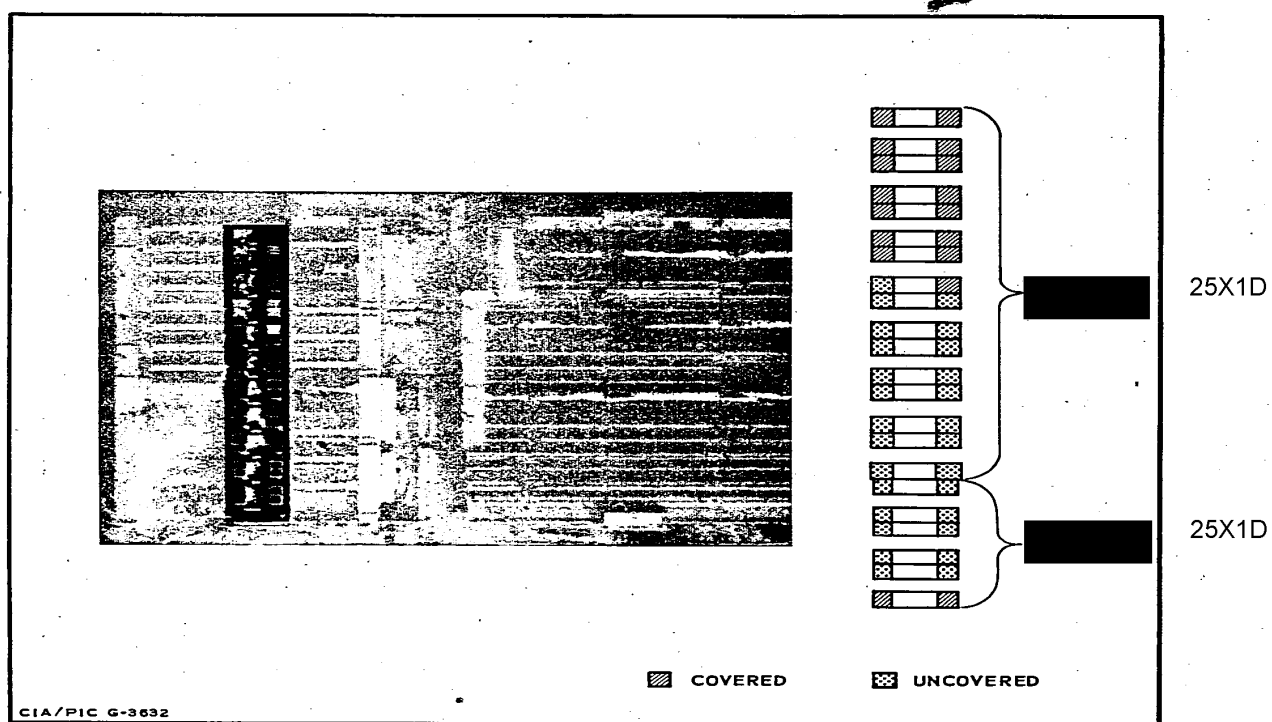


FIGURE 3. ENGINE TEST CELLS AT AIRCRAFT PLANT 154.

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PHOTOGRAPHY

	Mission	Date	Camera	Frames	Classification
25X1D					

MAPS OR CHARTS

25X1A	ACIC. Air Target Mosaic Series 25 Sheet		3d ed, Dec 57 (C)
25X1A	ACIC. Air Target Mosaic Series 10 Sheet		1st ed, Dec 50 (S)

DOCUMENTS

25X1A	1. ACIC. US Target Information Sheet		3d ed, Jun 57 (S)
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OTHER REFERENCE

AIR. DPIR T60-23, Voronezh Aircraft Engine Plant 154. Jun 60 (TSC)

COORDINATES

51°39'N - 39°10'E

REQUIREMENT

CIA/RR/E/21/60 requesting an analysis of the Voronezh Aircraft Engine Plant 154, with a line drawing and measurements of major components and measurements and a description of the engine test cells.

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